



**Yorktown Elementary School (YTES)**

100 0 100 200 Feet

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)  
FORM 1 -- Catchment Information**

Subwatershed: Tributary 2

Location of Catchment Centroid on ADC Map: Year: 2001 Page: 10 Grid: E10

State Plane Coordinates of Outfall Location: X: 1388121 Y: 482769

Closest Road Intersection to Outfall: Yorktown Drive and Yarmouth Lane

Outfall SDI ID or Outfall Description: drains to stormdrain at 13115 Yorktown Drive

Objective: Demonstration / Impairment(s) (Sheet 1) \_\_\_\_\_

Drainage Area (ac): 10.4 Impervious Area (ac): 2.8

Percent Impervious: 27% Soil Recharge Factor (S): 0.38

WQ<sub>v</sub> (required): 0.23 Re<sub>v</sub> (required): 0.09

Predominant Land Use: school Mean Depth to Ground Water: >=5ft

Sanitary System:  Septic  Municipal Sewer Water Supply:  On Site Well  Public Water

**Storm Drainage System Within Catchment**

Piped: 20% Open Channels: 80%

Area Drained by System: 100%

Location in Catchment:  Headwaters  Middle  Lower  All

Open Channel Lining- Vegetation: 100% Riprap: 0% Concrete: 0% Other: 0%

**Existing IMP(s) / BMP(s)**

SDI ID: \_\_\_\_\_ Type (number from Sheets 4 & 5): \_\_\_\_\_ Age: \_\_\_\_\_

Closest Road Intersection to IMP / BMP: \_\_\_\_\_

Catchment Area Treated (ac) : \_\_\_\_\_ Percentage Catchment Treated: \_\_\_\_\_

WQ<sub>v</sub> Provided:  YES  NO Re<sub>v</sub> Provided:  YES  NO C<sub>p</sub> Provided:  YES  NO

SDI ID: \_\_\_\_\_ Type (number from Sheets 4 & 5): \_\_\_\_\_ Age: \_\_\_\_\_

Closest Road Intersection to IMP / BMP: \_\_\_\_\_

Catchment Area Treated (ac) : \_\_\_\_\_ Percentage Catchment Treated: \_\_\_\_\_

WQ<sub>v</sub> Provided:  YES  NO Re<sub>v</sub> Provided:  YES  NO C<sub>p</sub> Provided:  YES  NO

SDI ID: \_\_\_\_\_ Type (number from Sheets 4 & 5): \_\_\_\_\_ Age: \_\_\_\_\_

Closest Road Intersection to IMP / BMP: \_\_\_\_\_

Catchment Area Treated (ac) : \_\_\_\_\_ Percentage Catchment Treated: \_\_\_\_\_

WQ<sub>v</sub> Provided:  YES  NO Re<sub>v</sub> Provided:  YES  NO C<sub>p</sub> Provided:  YES  NO

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)  
FORM 1 -- Catchment Information (concluded)**

**CATCHMENT SUMMARY**

WQ<sub>v</sub> (provided): \_\_\_\_\_

Re<sub>v</sub> (provided) : \_\_\_\_\_

Area Treated (ac): \_\_\_\_\_

Impervious Area Treated (ac): \_\_\_\_\_

Area Treated (%): \_\_\_\_\_

Impervious Area Treated (%): \_\_\_\_\_

**Comments**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information

Site Name: Yorktown Elementary School Address: 13463 Yorktown Drive, Bowie MD, 20715  
 Site Owner: Board of Education  
 State Plane Coordinates of Site Centroid: X: 1388257 Y: 481968 Date: 4/2/03  
 Personnel: PM Weather: sunny, 75F deg  
 Area (ac): 9.5 Impervious Area (ac): 2.7  
 Percent Impervious: 28% Soil Recharge Factor (S): 0.37  
 WQ<sub>v</sub> (required): 0.24 Re<sub>v</sub> (required): 0.09  
 Property Area (ac): 10.1 Property Area Included in Site: 95 %  
 Amount of Catchment Occupied by Site: 91 %

### Storm Drainage System Within Site

Piped: 20% Open Channels: 80% Area Drained by System: 100%  
 Open Channel Lining - Vegetation: 100% Riprap: 0% Concrete: 0% Other: 0%

### Existing IMP(s) / BMP(s) (Identified on Page 1, FORM 1, Catchment Information)

SDI ID: \_\_\_\_\_ Condition:  Excellent  Good  Average  Fair  Poor  
 SDI ID: \_\_\_\_\_ Condition:  Excellent  Good  Average  Fair  Poor  
 SDI ID: \_\_\_\_\_ Condition:  Excellent  Good  Average  Fair  Poor

### Site Information

Type of Pavement:  Bituminous  Concrete  Gravel  Grid Pavers  Other \_\_\_\_\_  
 Pavement Condition:  Excellent  Good  Average  Fair  Poor  
 Underdrains can be easily directed to existing storm drains or daylighted:  YES  NO  
 Gutter/Exterior Downspouts Present:  YES  NO  
 Roof Connected Directly to Storm Drain:  YES  NO  
 Roof Drains onto Impervious Surface:  YES  NO  
 Obvious Existing Drainage Problems:  Extensive  Moderate  Average  Limited  None  
 Steep Slopes Present:  Extensive  Moderate  Average  Limited  None  
 Existing Landscaping:  Extensive  Moderate  Average  Limited  None  
 Mature / Specimen Trees:  Extensive  Moderate  Average  Limited  None  
 Area Available for Aboveground BMPs:  Extensive  Moderate  Average  Limited  None  
 Existing Cover of Potential Aboveground BMP Locations:  Grass  Landscaped  Gravel  Other Pervious  
 Pavement  Other Impervious

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)  
FORM 2 -- Site Information (concluded)**

**Commercial / Institutional**

Islands Present:  YES  NO

Curb Present Around Island:  YES  NO

Ground Level of Island Relative to Pavement:  Above  Equal  Below

Island Landscaping:  Impervious  Bare Earth  Gravel  Grass  Mulch  Herbaceous Plants  Shrubs  
 Trees (<2 in. DBH)  Trees (2 - 6 in. DBH)  Trees (>6 in. DBH)

Trees have sufficient spacing to allow IMPs  YES  NO

Parking area that can be directed to potential treatment area with little grading: 100%

SITE SUMMARY	
WQ <sub>v</sub> (provided) :	Re <sub>v</sub> (provided):
Area Treated (ac) :	Impervious Area Treated (ac):
Area Treated (%) :	Impervious Area Treated (%):

**Photographs**

- No. 515 Description: looking north across new parking lot
- No. 516 Description: looking northwest across old parking lot
- No. 517 Description: looking east at front (southwest) side of building
- No. 518 Description: looking southeast at front (southwest) side of building
- No. 519 Description: looking southwest at northern portion of school
- No. 520 Description: looking south at northern portion of school
- No. 521 Description: looking southeast along northeast side of building
- No. 522 Description: looking southwest along southeast side of building
- No. 523 Description: looking south across parking lot
- No. \_\_\_\_\_ Description: \_\_\_\_\_

**Comments** parking lot extension has been added.

---



---



---



---



---

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)  
FORM 2 -- Site Information**



515



516



517



518



519



520

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)  
FORM 2 -- Site Information (concluded)**



521



522



523